SHUTTERBOSS

VERSION II

USER MANUAL

VELLO™

INTRODUCTION

Thank you for choosing the Vello ShutterBoss. This device is more than just a remote shutter release. It features many timer functions: self-timer, interval timer, long exposure timer, as well as controls for the number of continuous shutter trips. Powered by two AAA batteries, it can take approximately two months of continuous shots with a delay of 5 minutes between exposures and an exposure length of 4´56˝.

You can set the timer delays, exposure times, and intervals up to 99 hours, 59 minutes, 59 seconds in one second increments. You can select anywhere from 1 to 399 continuous shots, or set the device to take an unlimited number of photos.

The LCD screen has a backlit function for low-light conditions.

The Vello ShutterBoss is great for time-lapse recording of blooming flowers, astrophotography, etc.

We have added two new features in Ver. II:

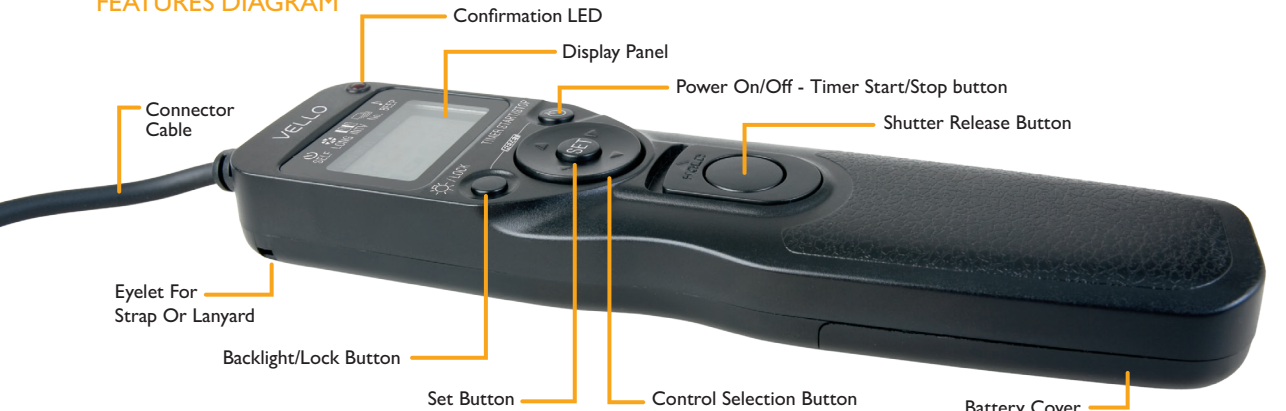
1. POWER OFF option:
This feature gives the ability to power the device off to conserve battery life.

2. RESET option:
This feature allows the ShutterBoss to be reset to the default factory settings, so that each setting doesn't need to be reset individually.

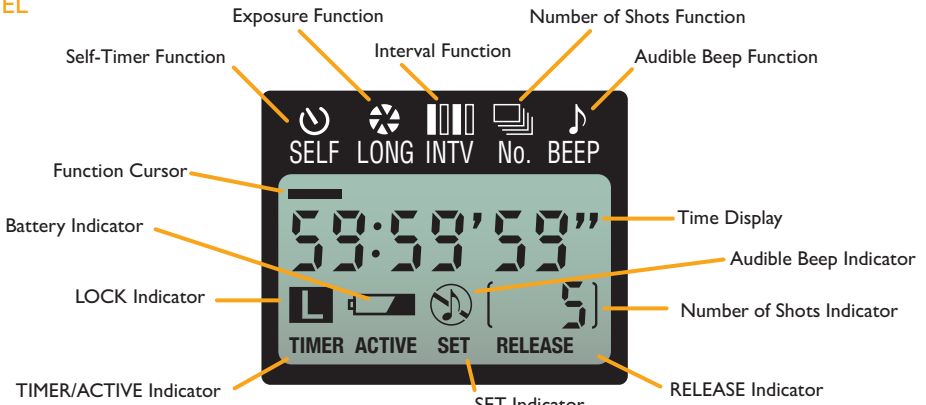
SAFETY WARNINGS

- There are no user-serviceable parts inside the device. Do not attempt to disassemble or perform any unauthorized modification.
- Do not operate the ShutterBoss in the presence of flammable gas or vapors.
- Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.
- Keep out of the reach of children. This device contains small parts which may pose a choking hazard.
- Observe caution when handling batteries. Batteries may leak or explode if improperly handled. Use only the batteries listed in this manual. Make certain to align batteries with correct polarity.
- Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the batteries when leaving the product unattended for prolonged periods or when no charge remains.
- Do not use or leave the device in conditions of extreme heat, severe cold, or high humidity.
- Turn off the camera's power before inserting or removing the remote cord.
- Dispose used batteries, packaging, and old devices in accordance with appropriate local environmental regulations.

FEATURES DIAGRAM



DISPLAY PANEL



CONNECT TO THE CAMERA

The ShutterBoss comes in a variety of models that are compatible with different cameras. The only difference in ShutterBoss models is the connector on the end of the cable. Your ShutterBoss and camera may look different from those pictured in this guide.

1: Make certain the camera is turned OFF.

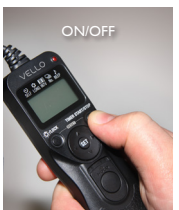
2: Make certain the TIMER ACTIVE and RELEASE indicators are not displayed on the ShutterBoss.

3: Move the camera's remote cord socket cover to expose the remote cord jack and connect the ShutterBoss.

Look for this symbol. Many camera manufacturers use it to indicate the jack for connecting remote devices.

POWER/RESET INSTRUCTIONS

- Press and hold TIMER START/STOP for approximately 3 seconds to power the Shutterboss timer on or off.
- Simultaneously press LOCK and TIMER START/STOP to clear the current timer information.



OPERATING INSTRUCTIONS

With the ShutterBoss you can release your camera's shutter manually or by using the internal timer. Every camera handles remote switches differently. Be sure to follow the instructions on using remote switches in your camera's manual as well as the steps in this guide. Do not attempt to change any timer settings during exposures or during delay or interval countdowns.

Manual Release

The ShutterBoss can be used manually even when there are no batteries in the device. The display panel will be off, and no beep will sound.

Timed Release

The ShutterBoss allows you to select any combination of the following:

- Delay (time before the shutter is tripped)
- Exposure time (or you can set this on the camera)
- Interval (the amount of time between a sequence of shots)
- The number of shots to take in sequence. You can even set the ShutterBoss to take photos until you tell it to stop.

MANUAL RELEASE

The ShutterBoss can be used manually even when there are no batteries in the device. The display panel will be off, and no beep will sound. To use the ShutterBoss manually:

1. After connecting the ShutterBoss to your camera, adjust your camera settings. Choose your exposure mode, shutter speed, focus mode, and shooting mode.
2. Press the shutter release button halfway on the ShutterBoss. The camera will focus (if set to Auto Focus).
3. Press full on the shutter release button to take the photo. Release the button to end shooting.

The shutter release button can also be used to release the shutter while the timer is active. The shutter will release, and the timer will continue its countdown.

To lock the pressed shutter button, slide the shutter release button forward. If your camera is set to Bulb mode, the shutter will stay open until you slide the locked shutter button back and release it.

SELF-TIMER DELAYED RELEASE

The self-timer on your camera is limited in the choices you have for setting the delay. With the ShutterBoss you can select a self-timed delay from 1 second to 99 hours 59 minutes 59 seconds in one second increments.

1. After connecting the ShutterBoss to your camera, adjust your camera settings. Choose your exposure mode, shutter speed, focus mode, and shooting mode. Do not set the camera's self-timer.

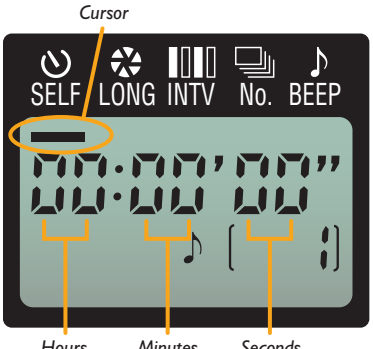
2. Make certain that the controls on the ShutterBoss are not locked. If you see the L displayed, press the ☼ **/Lock** button until the lock icon disappears.

3. Use the arrow button to set the cursor beneath SELF. Press the left and right arrows to move the cursor into place.

4. Press the SET button to change the Self-Timer setting. Use the left and right arrows to move between hours, minutes, and seconds. Use the up and down arrows to change the time values.

5. Press SET again to accept your selection.

6. Press TIMER START/STOP to begin timer.



TIMED EXPOSURE LENGTH

The ShutterBoss can control shutter speeds that are much longer than your camera can. With the ShutterBoss you can select shutter speeds from 1 second to 99 hours 59 minutes 59 seconds in one second increments. The confirmation LED will blink every second during a long exposure.

1. After connecting the ShutterBoss to your camera, adjust your camera settings. Choose your focus mode. Set the exposure mode to B (bulb).

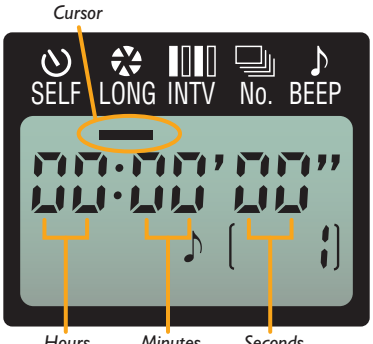
2. Make certain that the controls on the ShutterBoss are not locked. If you see the L displayed, press the ☼ **/Lock** button until the lock icon disappears.

3. Use the arrow button to set the cursor beneath LONG. Press the left and right arrows to move the cursor into place.

4. Press the SET button to change the Exposure Length setting. Use the left and right arrows to move between hours, minutes, and seconds. Use the up and down arrows to change the time values.

5. Press SET again to accept your selection.

6. Press TIMER START/STOP to begin timer.



TIMED INTERVALS

The ShutterBoss allows you to control the amount of time between a series of shots. Choose an interval that is longer than your exposure time, from 1 second to 99 hours 59 minutes 59 seconds. If using a flash, be sure to set an interval that is longer than your flash recycle time.

1. After connecting the ShutterBoss to your camera, adjust your camera settings. Choose your focus mode and set your exposure.

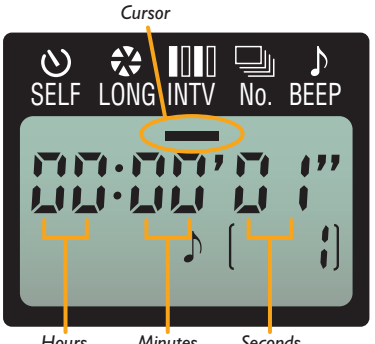
2. Make certain that the controls on the ShutterBoss are not locked. If you see the L displayed, press the ☼ **/Lock** button until the lock icon disappears.

3. Use the arrow button to set the cursor beneath INTV. Press the left and right arrows to move the cursor into place.

4. Press the SET button to change the Interval setting. Use the left and right arrows to move between hours, minutes, and seconds. Use the up and down arrows to change the time values.

5. Press SET again to accept your selection.

6. Press TIMER START/STOP to begin timer.



NUMBER OF SHOTS

The ShutterBoss allows you to control the number of shots taken in a sequence. You can set the ShutterBoss to trigger the camera shutter up to 399 times. Or you can set it to take shots until you tell it to stop. By default there will be a one second interval between shots (see the previous page).

1. After connecting the ShutterBoss to your camera, adjust your camera settings. Choose your focus mode and set your exposure.

2. Make certain that the controls on the ShutterBoss are not locked. If you see the L displayed, press the ☼ **/Lock** button until the lock icon disappears.

3. Use the arrow button to set the cursor beneath No. Press the left and right arrows to move the cursor into place.

4. Press the SET button to change the number of shots. Use the up and down arrows to change the value. To set the number of shots to infinite, select "—," which is beyond 399 (or below 1).

5. Press SET again to accept your selection.

6. Press TIMER START/STOP to begin timer.

AUDIBLE BEEP

The ShutterBoss will give you an audible beep for the last three seconds of a countdown delay or interval. It will also beep to confirm your settings. You can turn off the audible beep.

1. Make certain that the controls on the ShutterBoss are not locked. If you see the L displayed, press the ☼ /**Lock** button until the lock icon disappears.

2. Use the arrow button to set the cursor beneath BEEP. Press the left and right arrows to move the cursor into place.

3. Press the SET button to change the Audible Beep setting. Use the up and down arrows to turn the beep ON or OFF.

4. Press SET again to accept your selection.

BACKLIGHT/LOCK BUTTON

Press the ☼ **/Lock** button briefly to activate the backlight on the display. The backlight will remain lit for about 6 seconds. Pressing the button again during backlighting will extend the backlighting for another 6 seconds.

To lock all the controls, except the shutter release button, press and hold the ☼ / **Lock** button until the **L** icon appears in the display. To unlock, press and hold the Backlight/Lock button until the **L** icon disappears.

ACTIVITY INDICATORS

TIMER ACTIVE

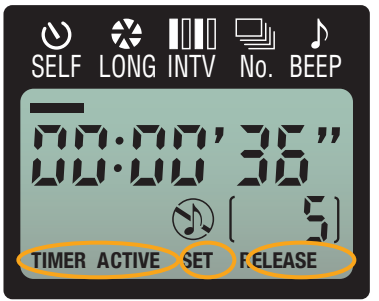
When TIMER ACTIVE is blinking, it means the timer is active. Do not attempt to change any settings while TIMER ACTIVE is blinking. Press Timer Start/Stop if you wish to cancel the timer action.

SET

When SET is blinking, it means that you are engaged in changing a setting. Note the cursor; it will confirm which parameter is active. Press Set to confirm your setting.

RELEASE

When RELEASE is blinking, it means that the shutter is open. If TIMER ACTIVE is also blinking, the timer has released the shutter. Press Timer Start/Stop if you wish to cancel the timer action. If TIMER ACTIVE is not also blinking, the shutter has been released manually. A manual release can be cancelled by releasing the shutter release button, sliding it back from its locked position if necessary.



Activity Indicators

CHANGING THE BATTERIES

The low battery indicator will blink when battery power is low. To change batteries:

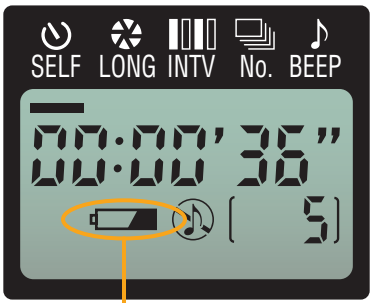
1: Check that the TIMER ACTIVE and RELEASE buttons are not active.

2: Turn off the camera and disconnect the ShutterBoss.

3: Slide open the battery chamber cover on the back of the ShutterBoss.

4: Remove the batteries.

5: Wait for the display to go out and install two fresh 1.5V AAA alkaline batteries.



Low Battery Indicator

CARE OF THE SHUTTERBOSS

Protect the ShutterBoss

Do not drop the ShutterBoss. The device may malfunction if subjected to a strong shock or vibration.

Keep Dry

The ShutterBoss is not waterproof. Avoid getting the device wet. Do not expose to high humidity.

Avoid Sudden Temperature Changes

Sudden changes in temperature, such as entering or leaving a warm building on a cold day, can cause damaging condensation inside the device. Protect the ShutterBoss by placing it inside a carrying case or a sealed plastic bag and allowing it to adjust to temperature changes gradually.

Avoid Magnetic Fields

Strong static charges or electromagnetic fields generated by equipment such as radio transmitters can interfere with the device. A strong external static charge can cause unusual characters to display on the screen or may cause the device to malfunction. In such a situation, turn off the camera, disconnect the ShutterBoss, remove the batteries, and then replace them a few seconds after the display goes out.

Liquid Crystal Displays

The display panel is a liquid crystal display. At very low temperatures, the display response my become slower. And at temperatures higher than 60°C (140°F), the display may darken. In either case, the display will return to normal at room temperature.

SPECIFICATIONS

Supported Cameras	(See packaging)
Self-Timer Delay	0s to 99hr 59min 59s in one-second increments
Exposure Range	0s to 99hr 59min 59s in one-second increments
Interval	1s to 99hr 59min 59s in one-second increments
Number of Shots	1-399, unlimited
Power Source	2 AAA 1.5V alkaline batteries
Operating Temperature	−20° to +50°C (−4° to +122°F)
Dimensions	Approx. 6.1 × 1.6 × 0.7" (155 × 40 × 18 mm)
Cord Length	Approx. 33.5" (85 cm)
Weight	3.07 0z (87 g)

FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna;
2. Increase the distance between the equipment and the receiver.

CAUTION

Modifications: The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Vello may void the user's authority to operate the equipment.

Limited One-Year Warranty

This VELLO product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Vello Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Vello along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.vellogear.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.

www.gradusgroup.com

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